

FIG. 1

- 2 INPUT PROCESSING CIRCUIT
- 4 OUTPUT PROCESSING CIRCUIT
- 5 SWITCH CONTROL SECTION
- 6 SWITCH INFORMATION STORAGE SECTION
- 21 SWITCH SECTION
- 22 SWITCH SECTION
- 23 PROCESSING SECTION
- 24 PROCESSING SECTION
- 25 PROCESSING SECTION
- 41 SWITCH SECTION
- 42 SWITCH SECTION
- 43 PROCESSING SECTION
- 44 PROCESSING SECTION
- 45 PROCESSING SECTION

FIG. 2

2a INPUT PROCESSING CIRCUIT

21a SWITCH SECTION

22a SWITCH SECTION

23a PROCESSING CIRCUIT

24a PROCESSING CIRCUIT

25a PROCESSING CIRCUIT

FIG. 7

2c INPUT PROCESSING CIRCUIT

21c SWITCH SECTION

53 LOGICAL IC

FIG. 8

2d INPUT PROCESSING CIRCUIT  
4d OUTPUT PROCESSING CIRCUIT  
5 SWITCH CONTROL SECTION  
6 SWITCH INFORMATION STORAGE SECTION  
23 PROCESSING SECTION  
24 PROCESSING SECTION  
25 PROCESSING SECTION  
43 PROCESSING SECTION  
44 PROCESSING SECTION  
45 PROCESSING SECTION

FIG. 9

21 SWITCH SECTION

22 SWITCH SECTION

23b PROCESSING SECTION

24b PROCESSING SECTION

25b PROCESSING SECTION

61 PROCESSING CIRCUIT

62 PROCESSING CIRCUIT

63 PROCESSING CIRCUIT

64 PROCESSING CIRCUIT

FIG. 11

41 SWITCH SECTION

42 SWITCH SECTION

43a PROCESSING SECTION

44a PROCESSING SECTION

45a PROCESSING SECTION

71 DRIVER CIRCUIT

72 DRIVER CIRCUIT

73 DRIVER CIRCUIT

74 DRIVER CIRCUIT

FIG. 12

41a SELECTOR

42a SELECTOR

81 - 90 DRIVER CIRCUIT

FIG. 13

- 2 INPUT PROCESSING CIRCUIT
- 4 OUTPUT PROCESSING CIRCUIT
- 5a SWITCH CONTROL SECTION
- 6 SWITCH INFORMATION STORAGE SECTION
- 7 SWITCH MANAGEMENT SECTION
- 7a AUTHORITY DATA
- 9 NAVIGATION SYSTEM
- 21 SWITCH SECTION
- 22 SWITCH SECTION
- 23 PROCESSING SECTION
- 24 PROCESSING SECTION
- 25 PROCESSING SECTION
- 41 SWITCH SECTION
- 42 SWITCH SECTION
- 43 PROCESSING SECTION
- 44 PROCESSING SECTION
- 45 PROCESSING SECTION



FIG. 15

102 INPUT PROCESSING CIRCUIT  
104 OUTPUT PROCESSING CIRCUIT  
105a SWITCH CONTROL SECTION  
105b SWITCH CONTROL SECTION  
106a SWITCH INFORMATION STORAGE SECTION  
106b SWITCH INFORMATION STORAGE SECTION  
121 SWITCH SECTION  
122 SWITCH SECTION  
123 PROCESSING SECTION  
124 PROCESSING SECTION  
125 PROCESSING SECTION  
141 SWITCH SECTION  
142 SWITCH SECTION  
143 PROCESSING SECTION  
144 PROCESSING SECTION  
145 PROCESSING SECTION

FIG. 16

102 INPUT PROCESSING CIRCUIT  
104 OUTPUT PROCESSING CIRCUIT  
105a SWITCH CONTROL SECTION  
105b SWITCH CONTROL SECTION  
106a SWITCH INFORMATION STORAGE SECTION  
106b SWITCH INFORMATION STORAGE SECTION  
121 SWITCH SECTION  
122 SWITCH SECTION  
123 PROCESSING SECTION  
124 PROCESSING SECTION  
125 PROCESSING SECTION  
141 SWITCH SECTION  
142 SWITCH SECTION  
143 PROCESSING SECTION  
144 PROCESSING SECTION  
145 PROCESSING SECTION

FIG. 17

102 INPUT PROCESSING CIRCUIT  
104 OUTPUT PROCESSING CIRCUIT  
105 SWITCH CONTROL SECTION  
106 SWITCH INFORMATION STORAGE SECTION  
121 SWITCH SECTION  
122 SWITCH SECTION  
123a PROCESSING SECTION  
124a PROCESSING SECTION  
125a PROCESSING SECTION  
141 SWITCH SECTION  
142 SWITCH SECTION  
143 PROCESSING SECTION  
144 PROCESSING SECTION  
145 PROCESSING SECTION

FIG. 18(a)

123a PROCESSING SECTION

124a PROCESSING SECTION

125a PROCESSING SECTION

FIG. 18(b)

123a PROCESSING SECTION

124a PROCESSING SECTION

125a PROCESSING SECTION

FIG. 18(c)

123a PROCESSING SECTION

124a PROCESSING SECTION

125a PROCESSING SECTION

FIG. 21

102 INPUT PROCESSING CIRCUIT  
104 OUTPUT PROCESSING CIRCUIT  
105 SWITCH CONTROL SECTION  
106 SWITCH INFORMATION STORAGE SECTION  
123 PROCESSING SECTION  
124 PROCESSING SECTION  
125 PROCESSING SECTION  
143 PROCESSING SECTION  
144 PROCESSING SECTION  
145 PROCESSING SECTION

FIG. 22

102 INPUT PROCESSING CIRCUIT  
104 OUTPUT PROCESSING CIRCUIT  
105 SWITCH CONTROL SECTION  
106 SWITCH INFORMATION STORAGE SECTION  
110 MICROCOMPUTER  
121 SWITCH SECTION  
122 SWITCH SECTION  
123 PROCESSING SECTION  
124 PROCESSING SECTION  
125 PROCESSING SECTION  
141 SWITCH SECTION  
142 SWITCH SECTION  
143 PROCESSING SECTION  
144 PROCESSING SECTION  
145 PROCESSING SECTION

FIG. 23

102 INPUT PROCESSING CIRCUIT  
104 OUTPUT PROCESSING CIRCUIT  
105 SWITCH CONTROL SECTION  
106 SWITCH INFORMATION STORAGE SECTION  
111 EXTERNAL CONTROL UNIT  
121 SWITCH SECTION  
122 SWITCH SECTION  
123 PROCESSING SECTION  
124 PROCESSING SECTION  
125 PROCESSING SECTION  
141 SWITCH SECTION  
142 SWITCH SECTION  
143 PROCESSING SECTION  
144 PROCESSING SECTION  
145 PROCESSING SECTION

FIG. 24

105c SWITCH CONTROL SECTION

106c SWITCH INFORMATION STORAGE SECTION

120 NETWORK



FIG. 25

102 INPUT PROCESSING CIRCUIT  
104 OUTPUT PROCESSING CIRCUIT  
105 SWITCH CONTROL SECTION  
106 SWITCH INFORMATION STORAGE SECTION  
121 SWITCH SECTION  
122 SWITCH SECTION  
123 PROCESSING SECTION  
124 PROCESSING SECTION  
125 PROCESSING SECTION  
141 SWITCH SECTION  
142 SWITCH SECTION  
143 PROCESSING SECTION  
144 PROCESSING SECTION  
145 PROCESSING SECTION

Fig. 1

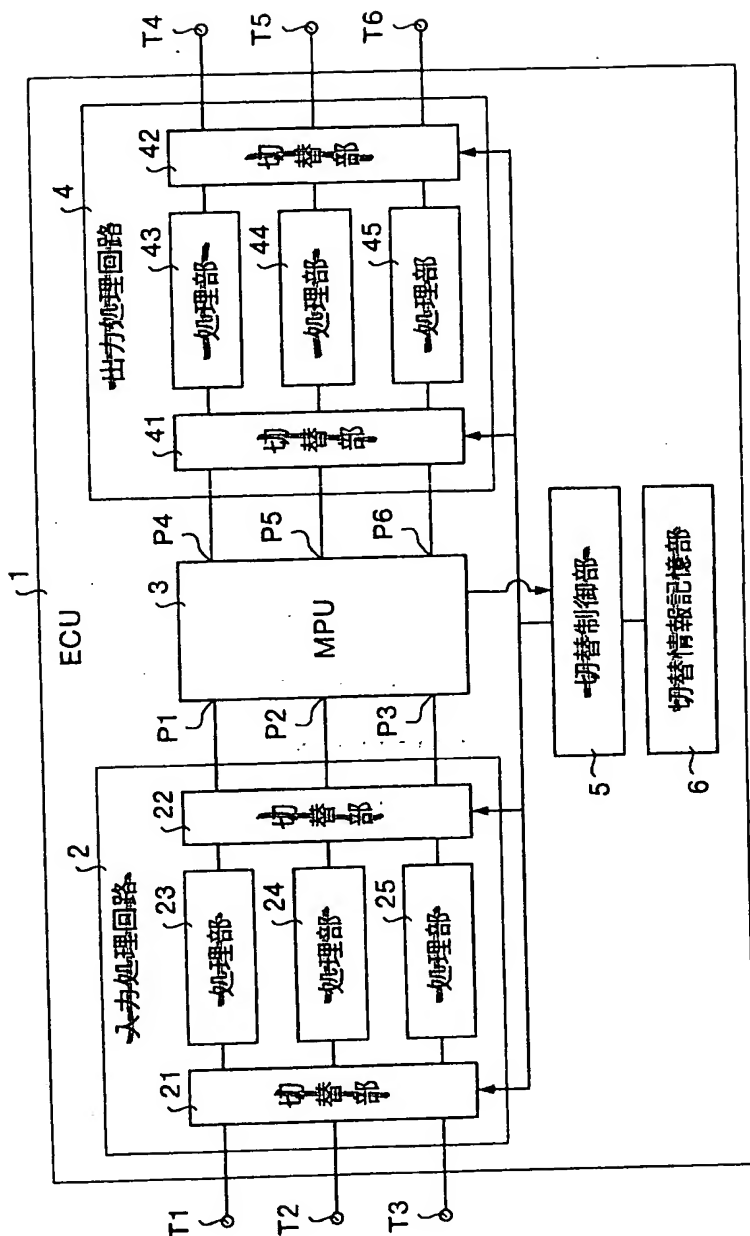


Fig. 2

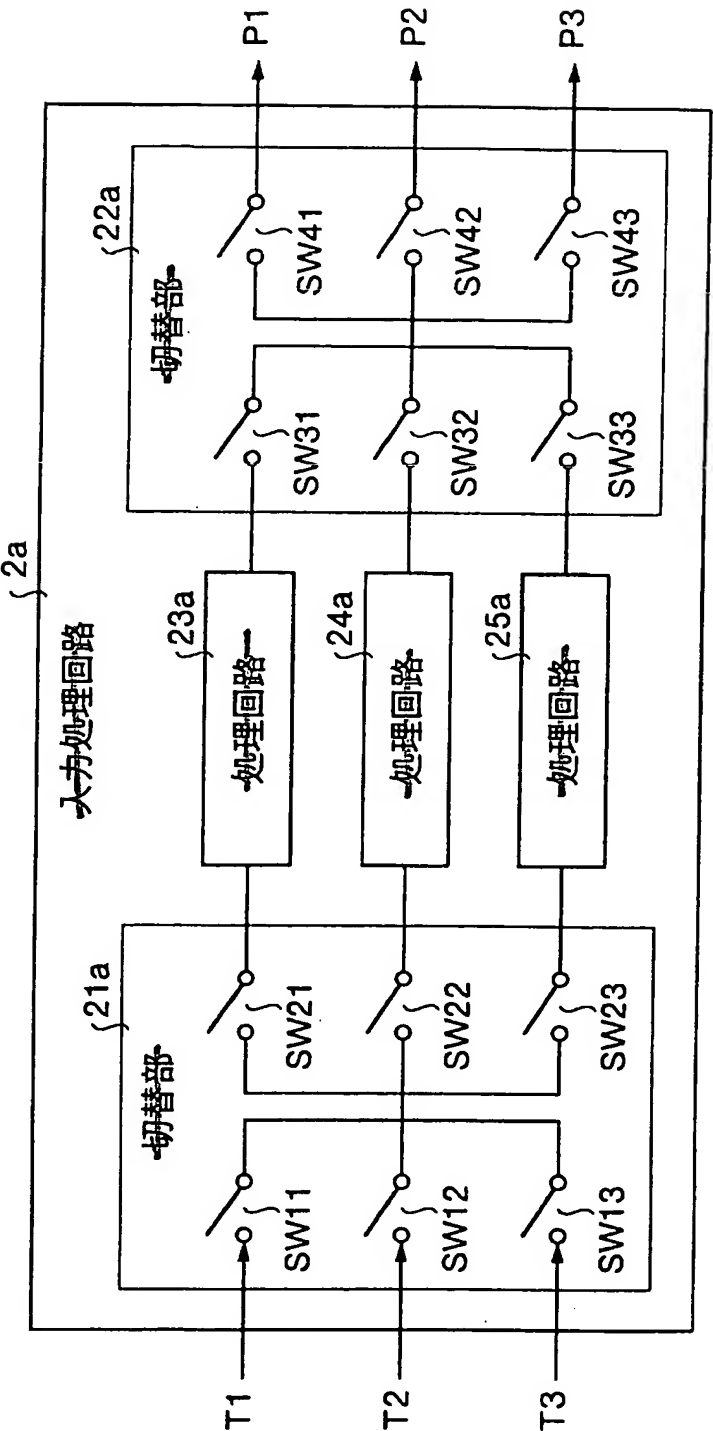


Fig. 3

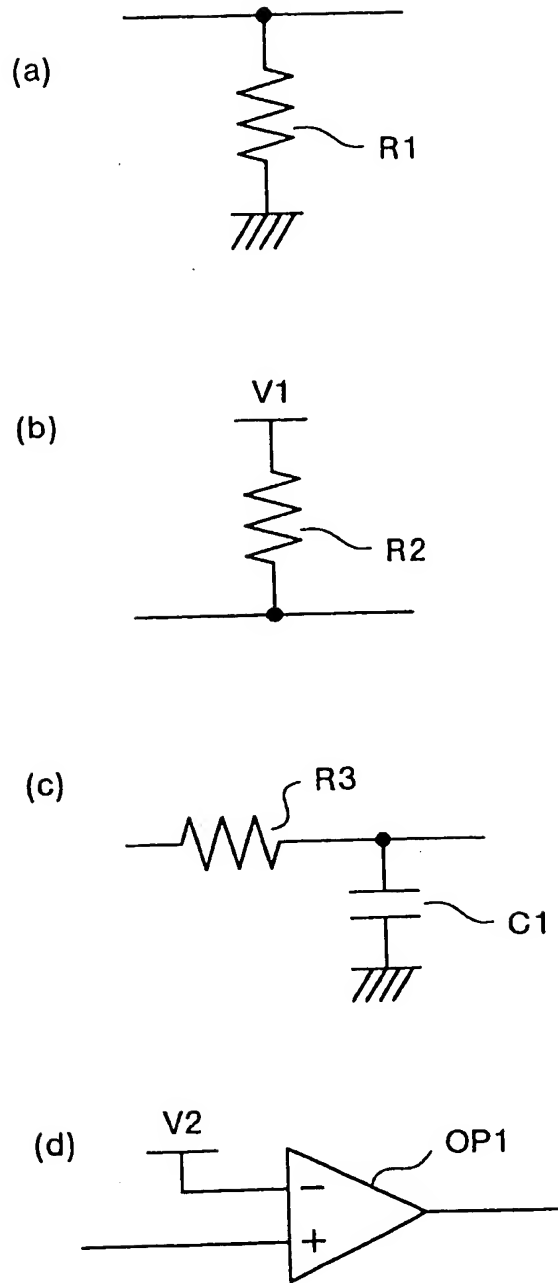


Fig. 4

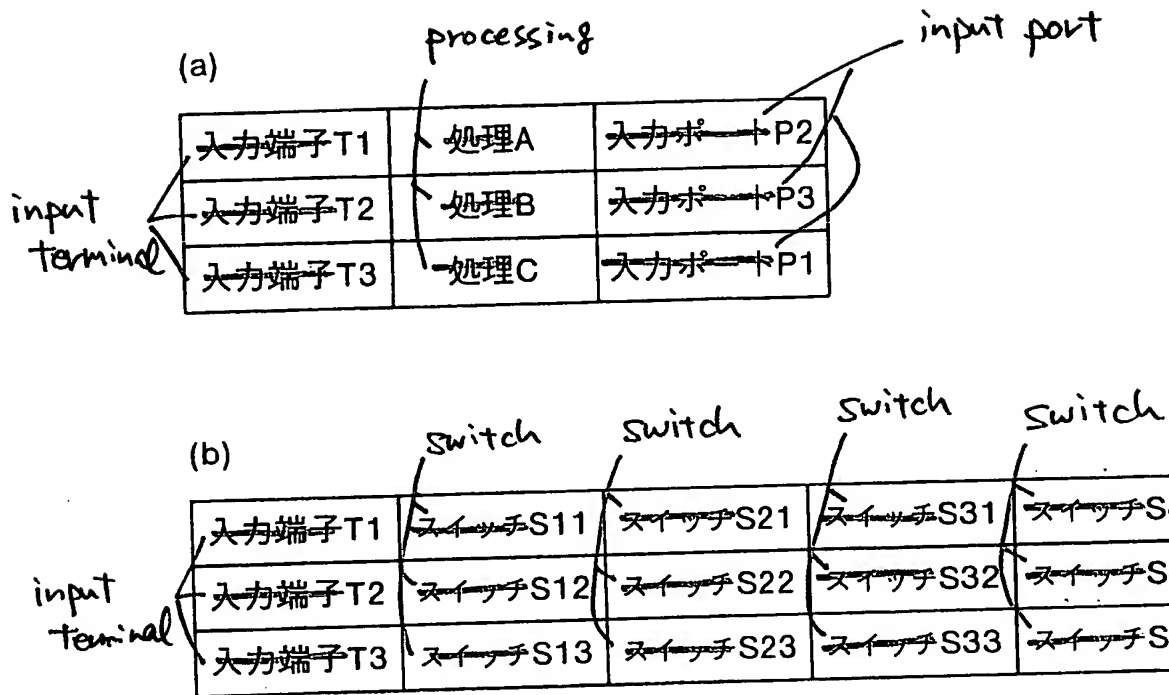


Fig. 5

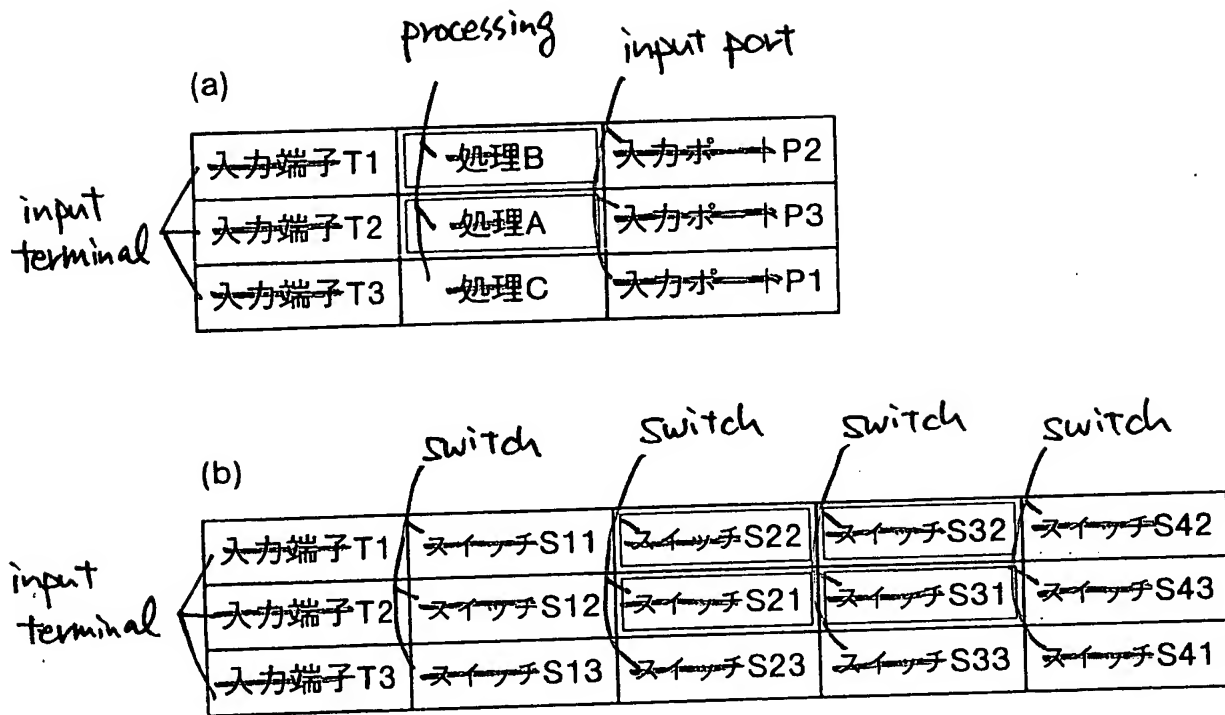


Fig. 6

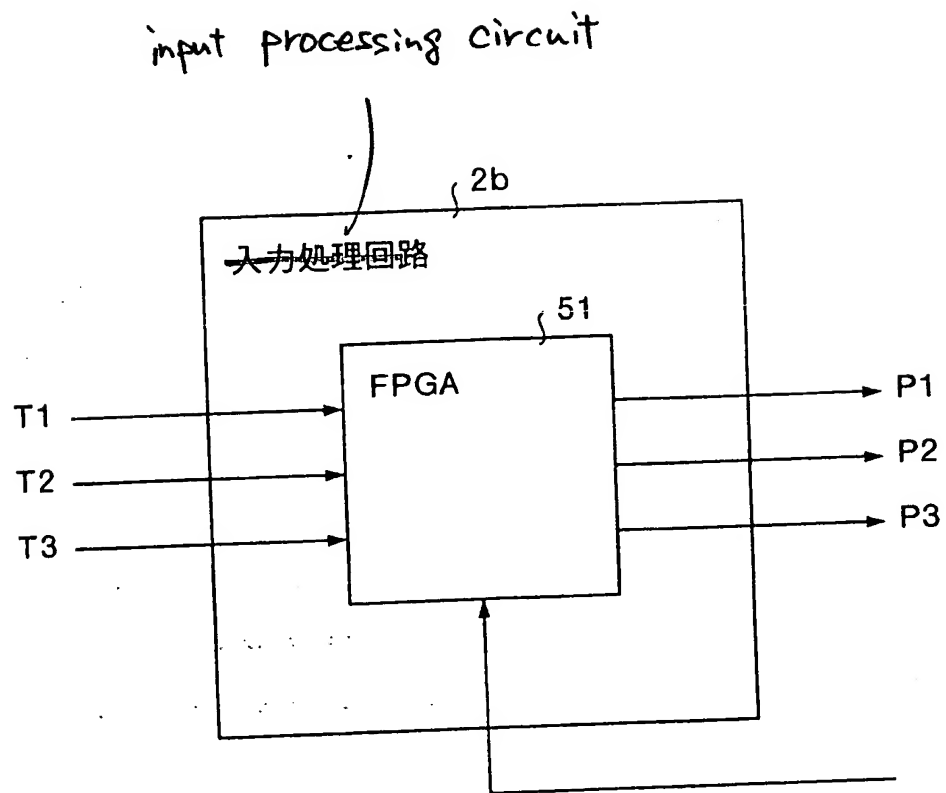


Fig. 7

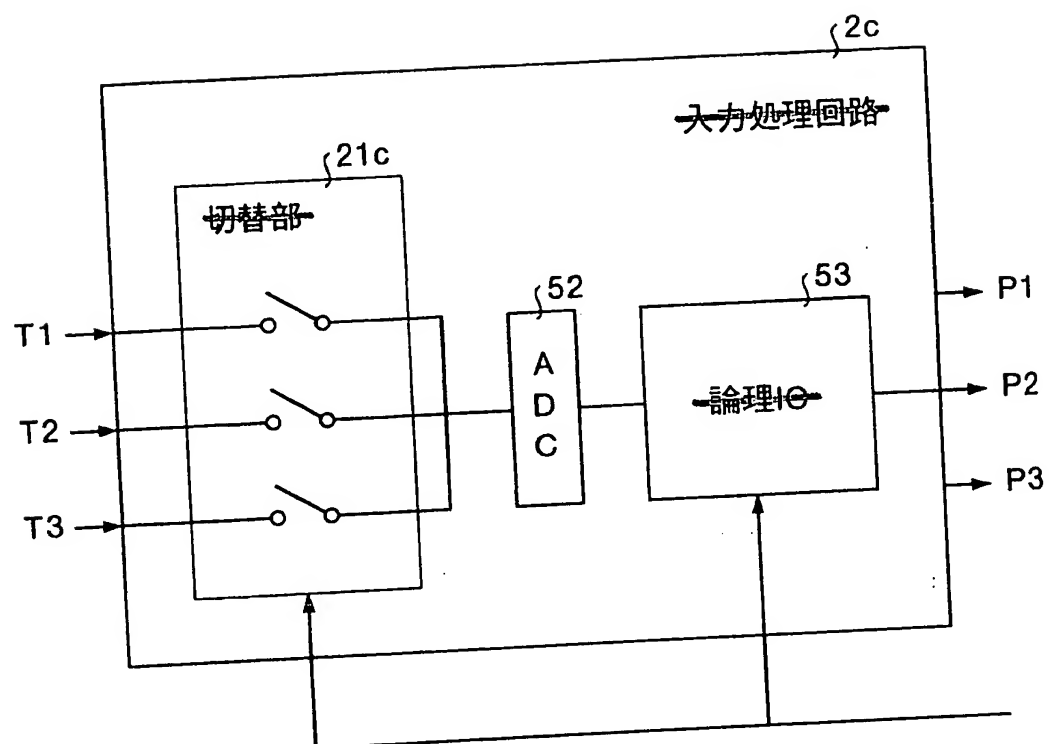




Fig. 8

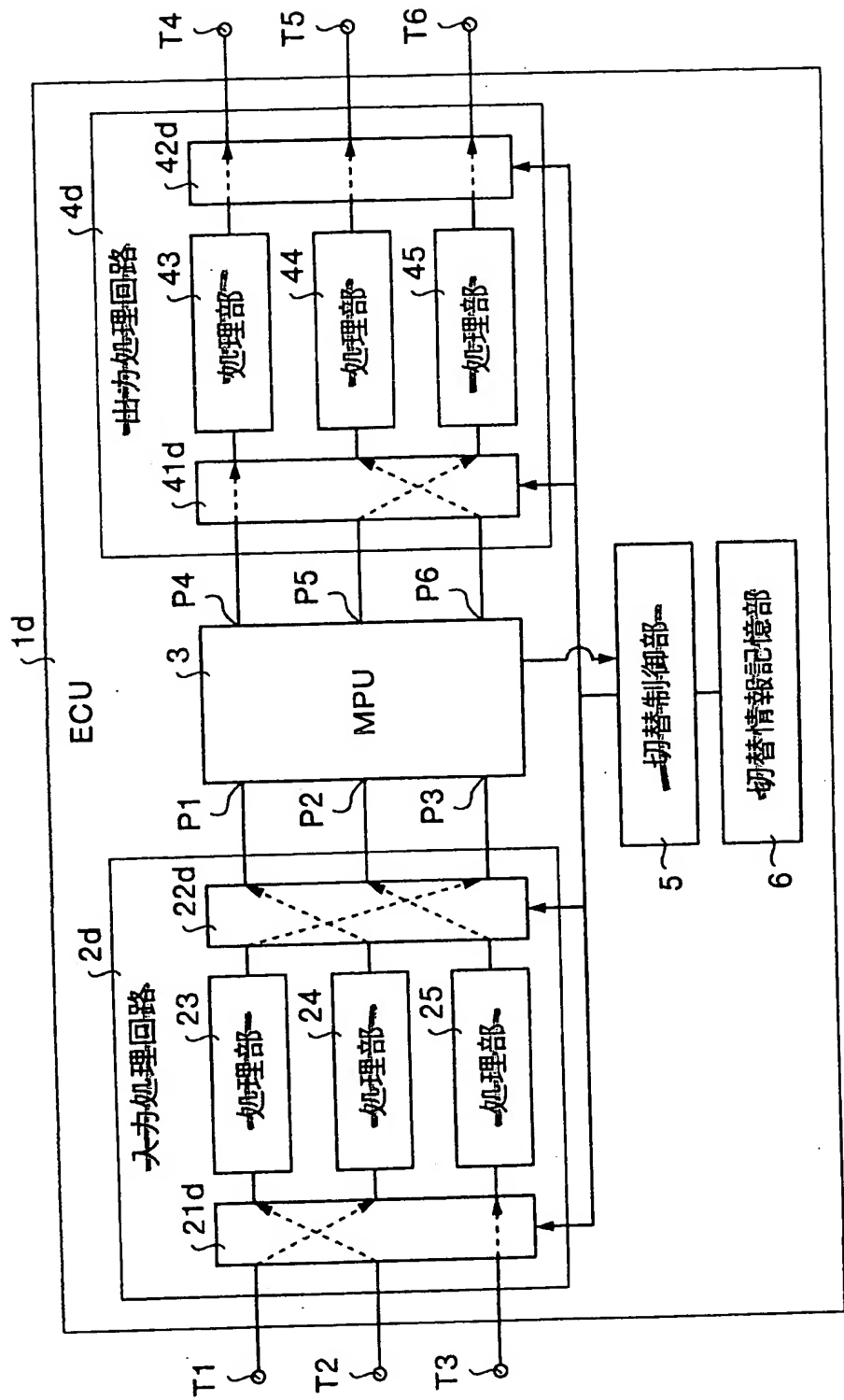


Fig. 9

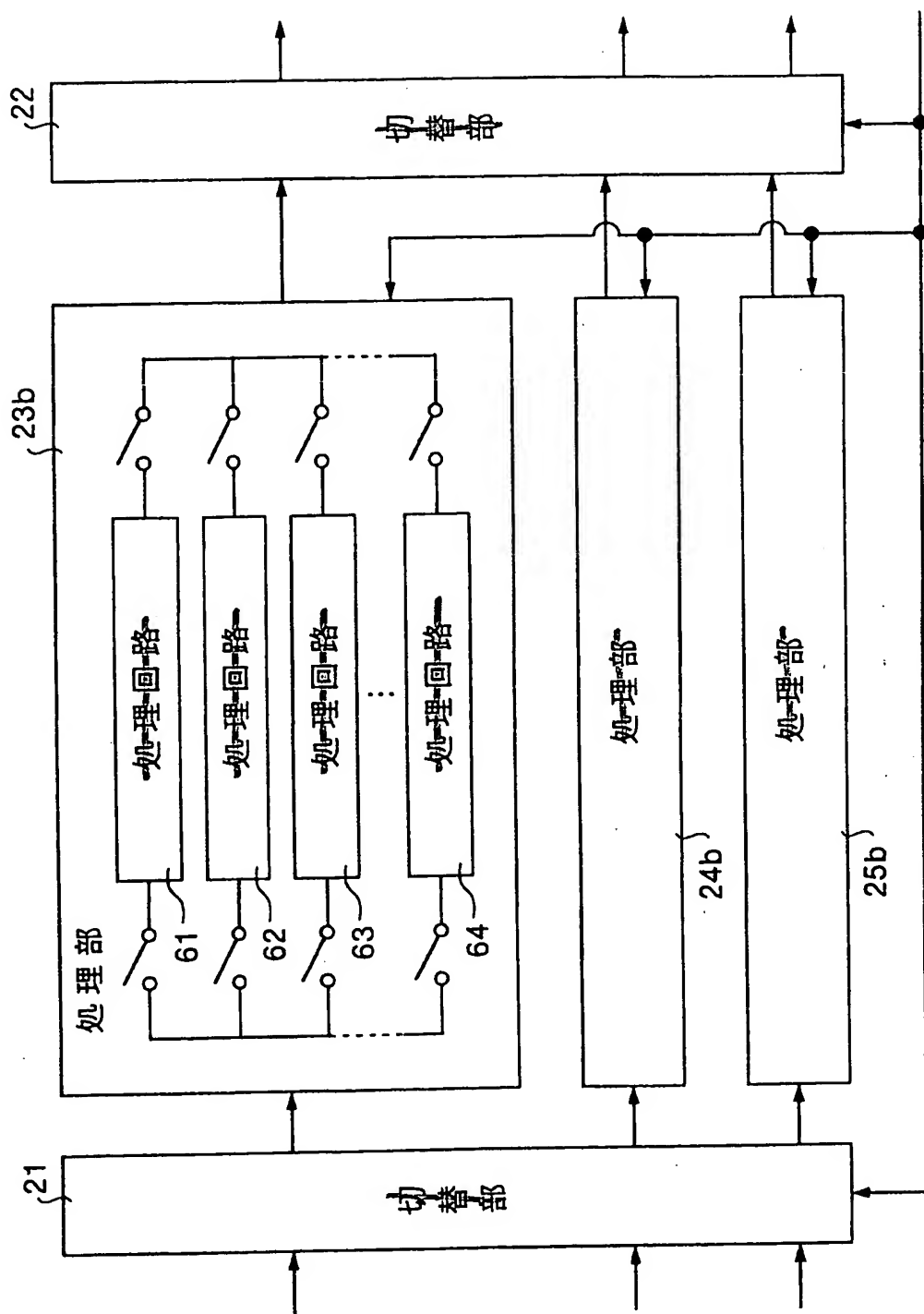


Fig. 10

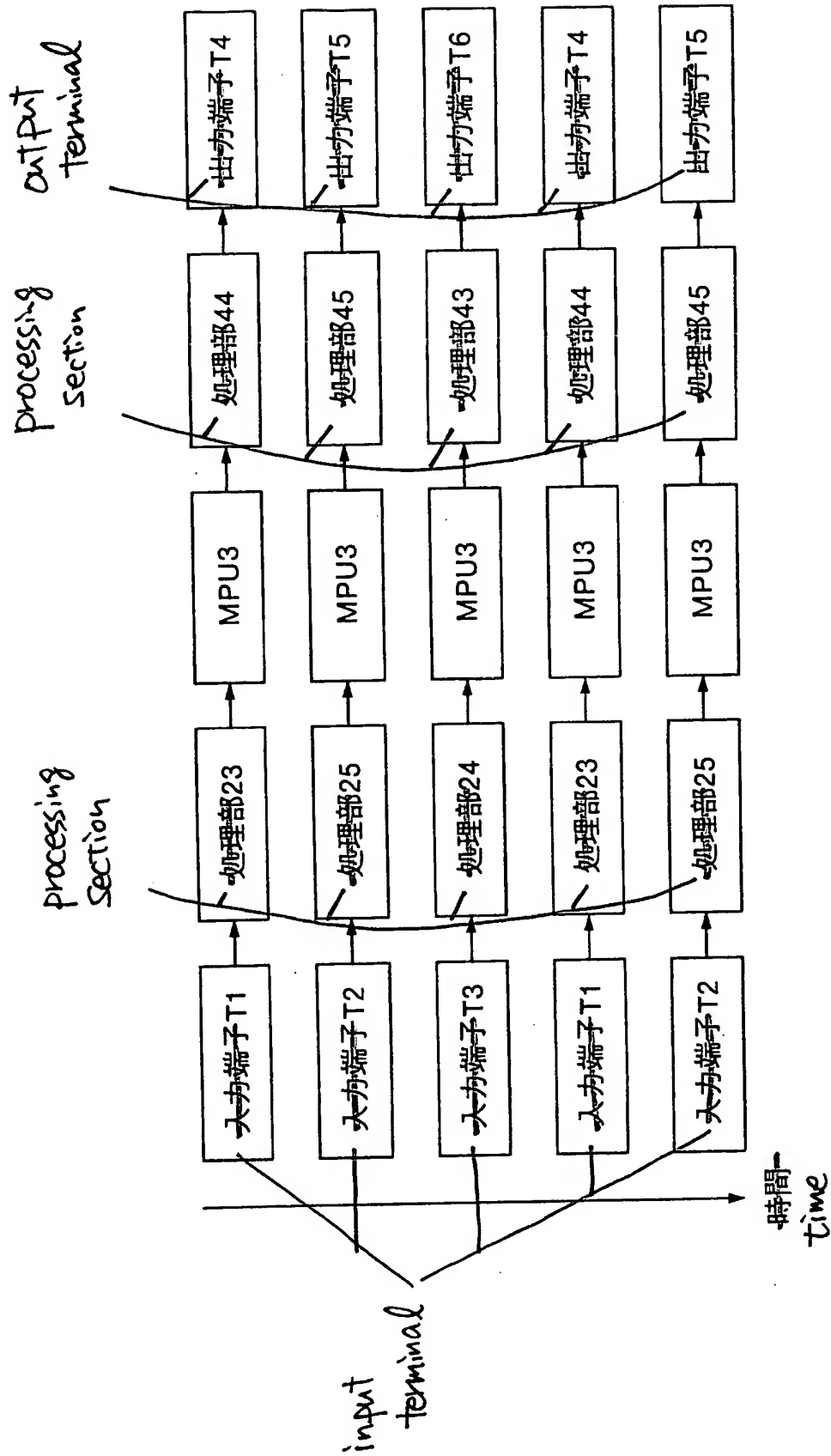


Fig. 11

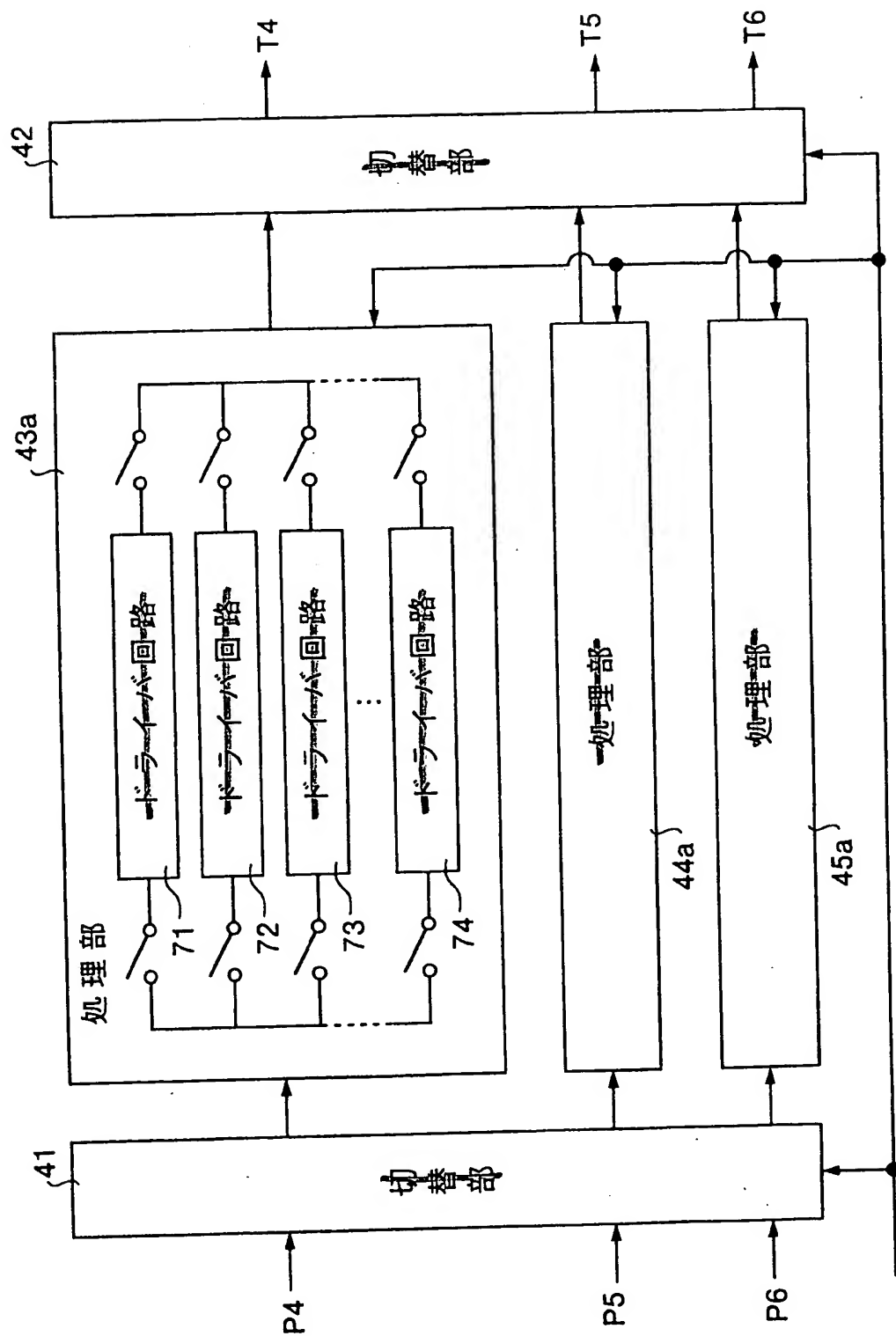


Fig. 12

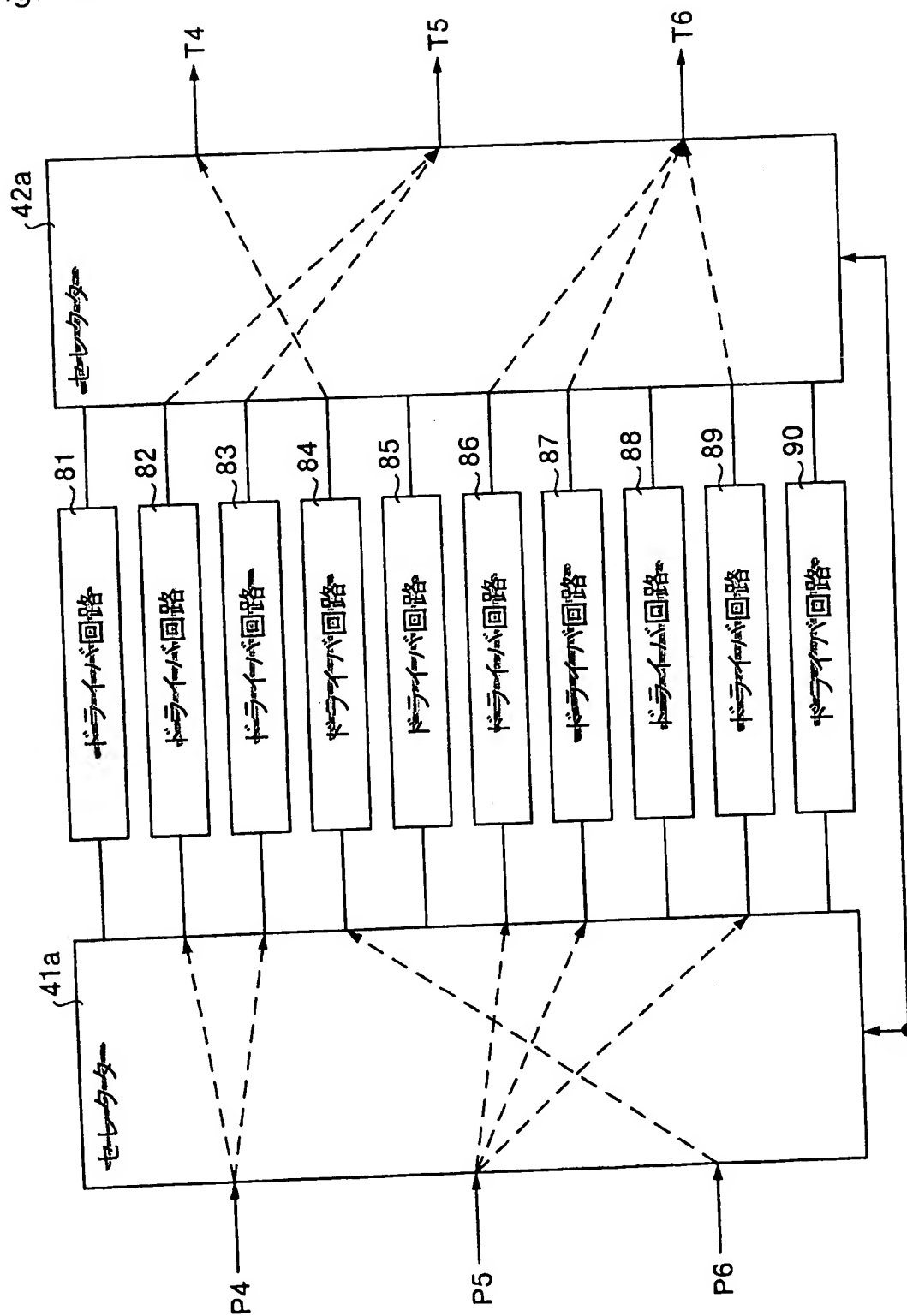


Fig. 13

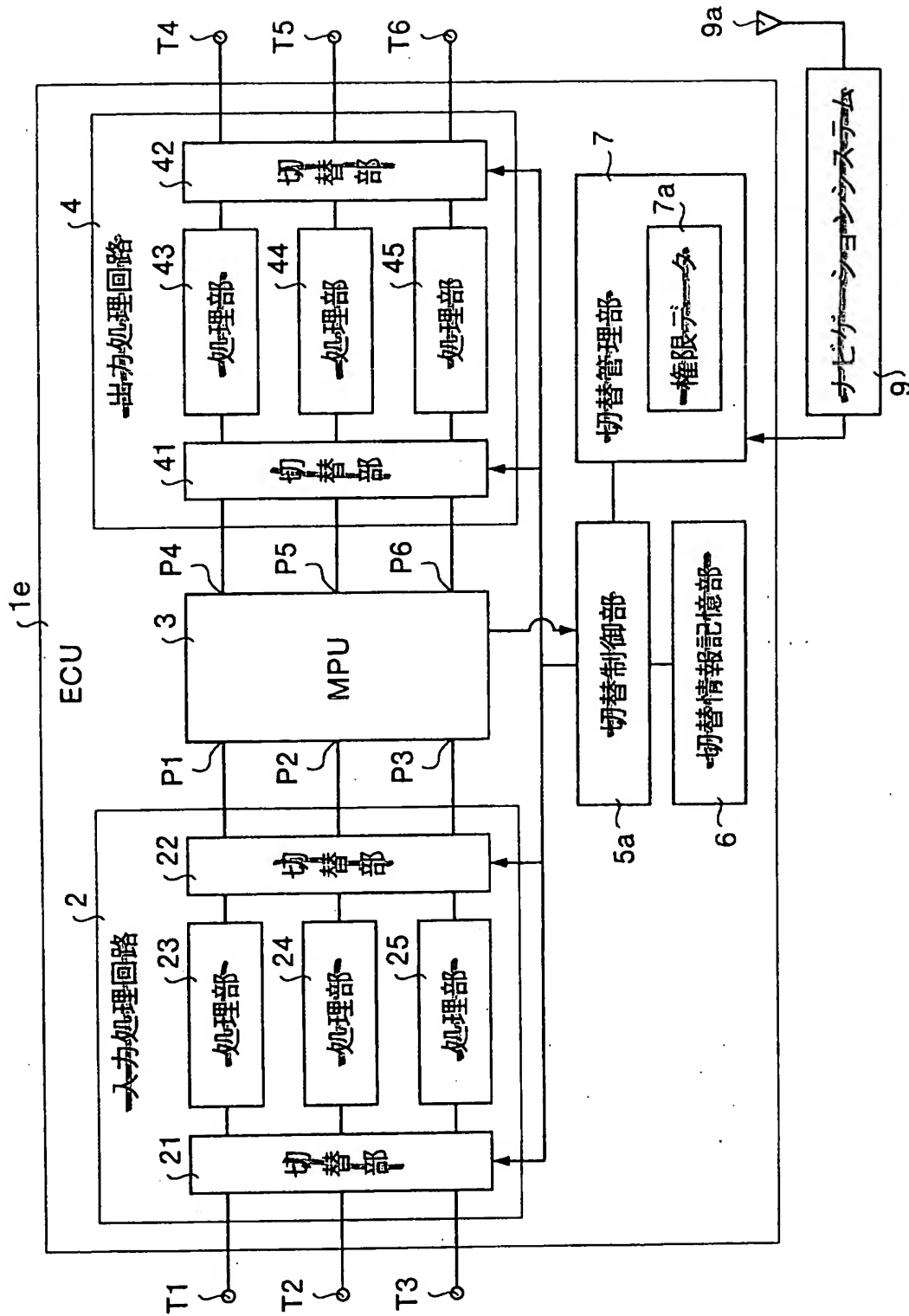


Fig. 14

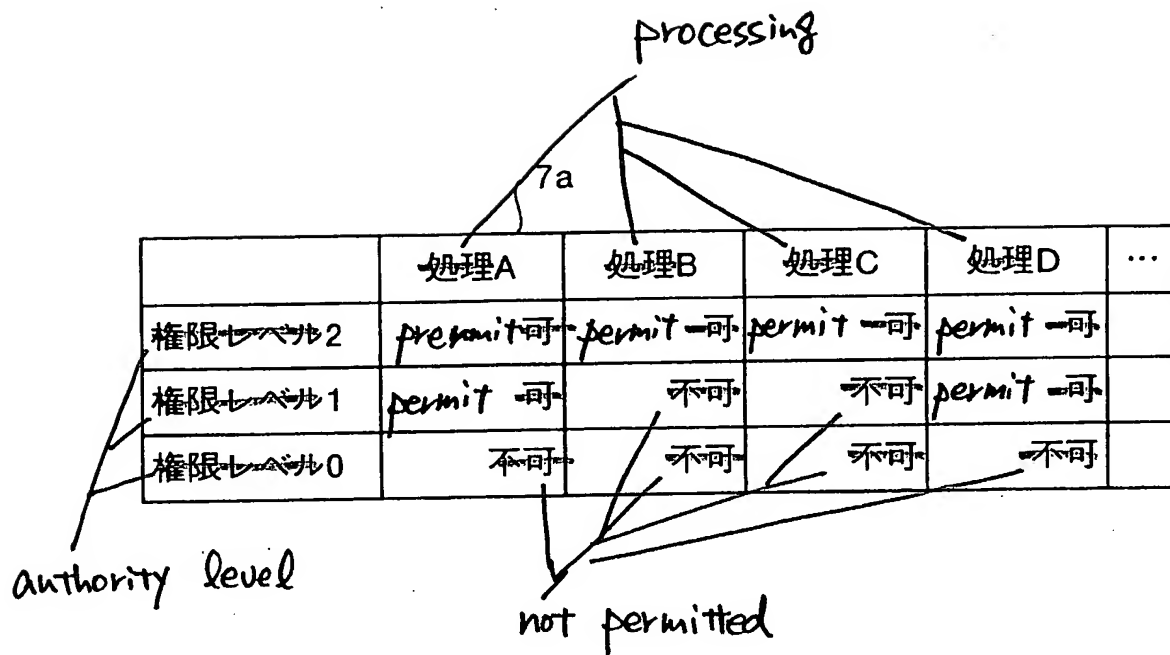


Fig. 15

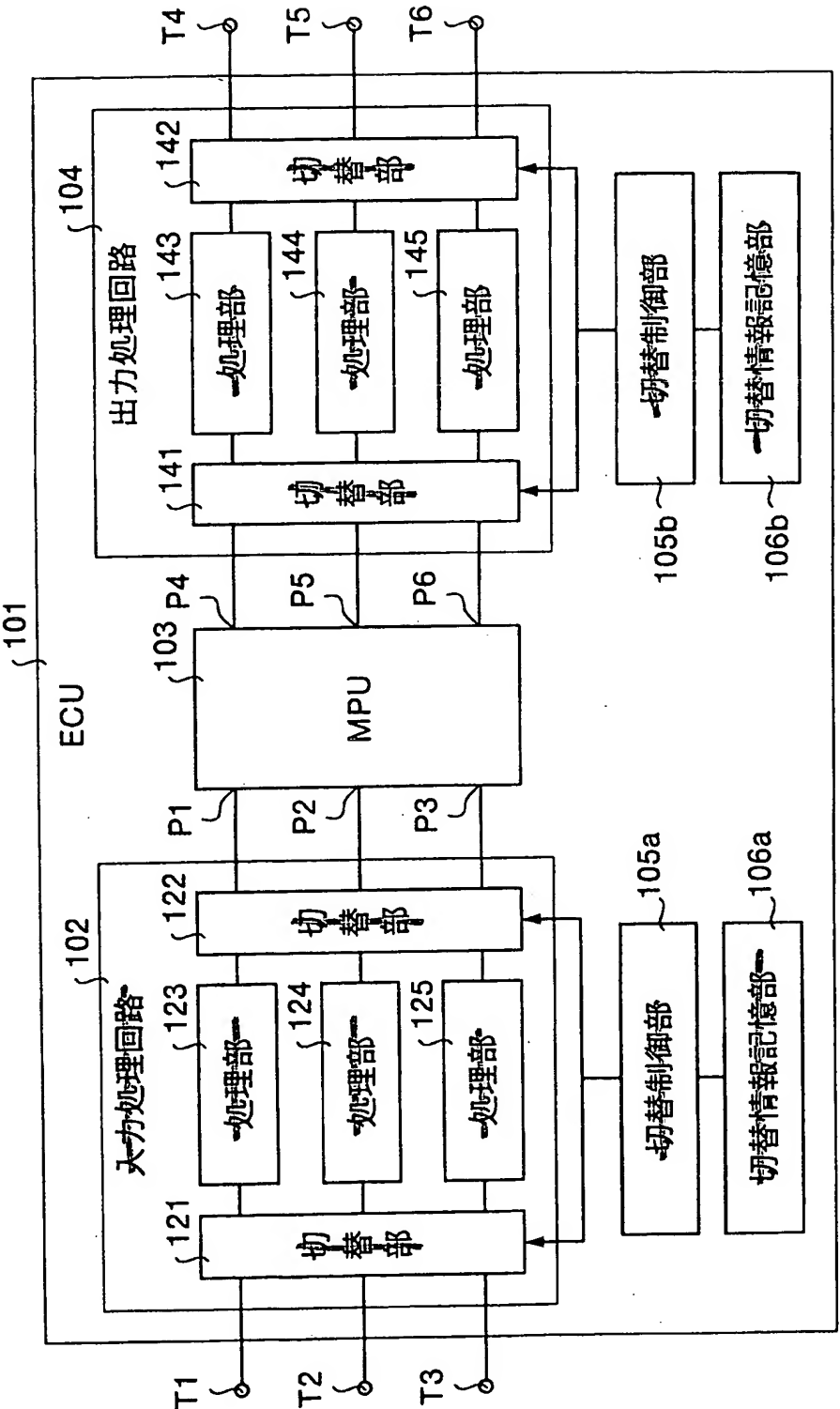




Fig. 16

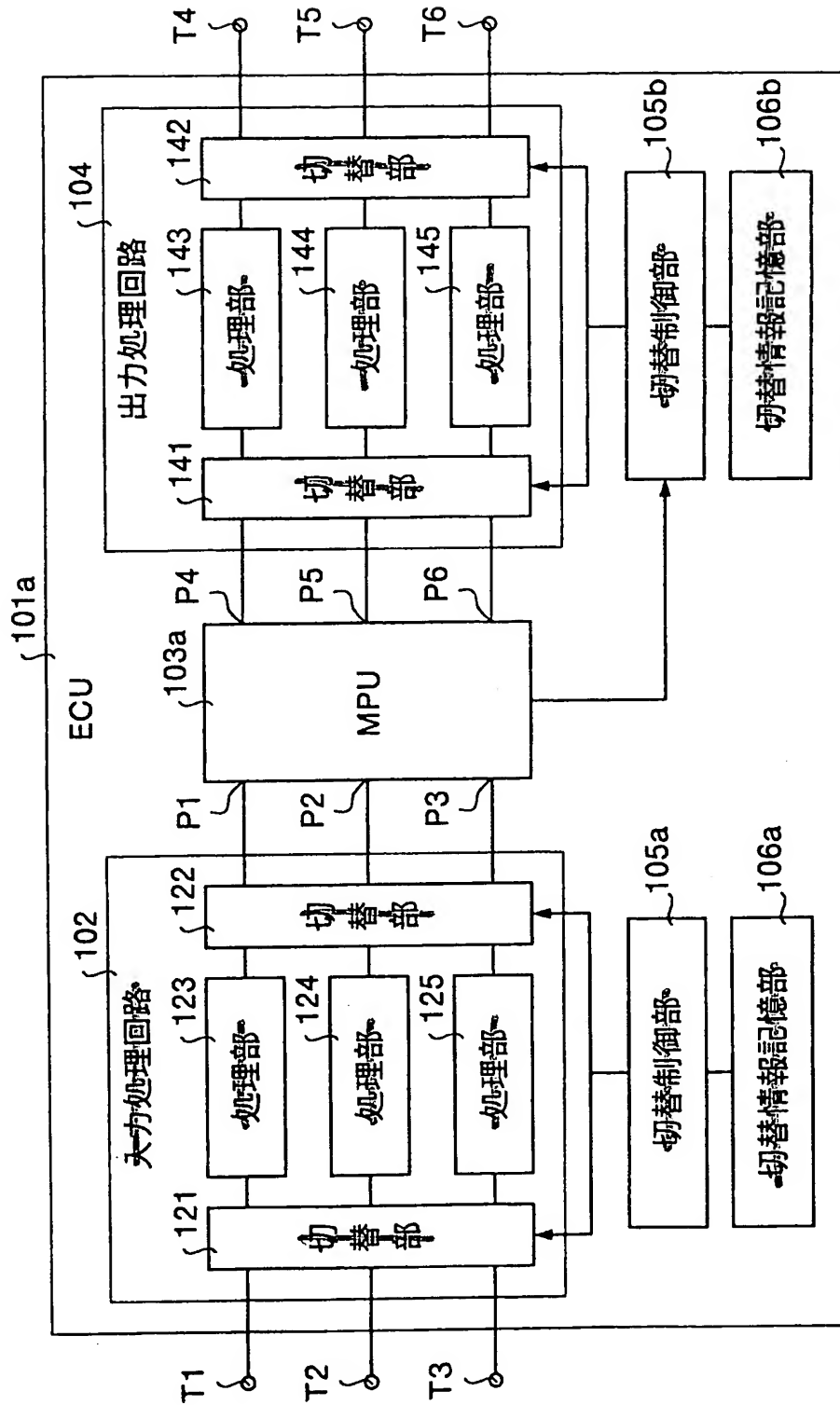


Fig. 17

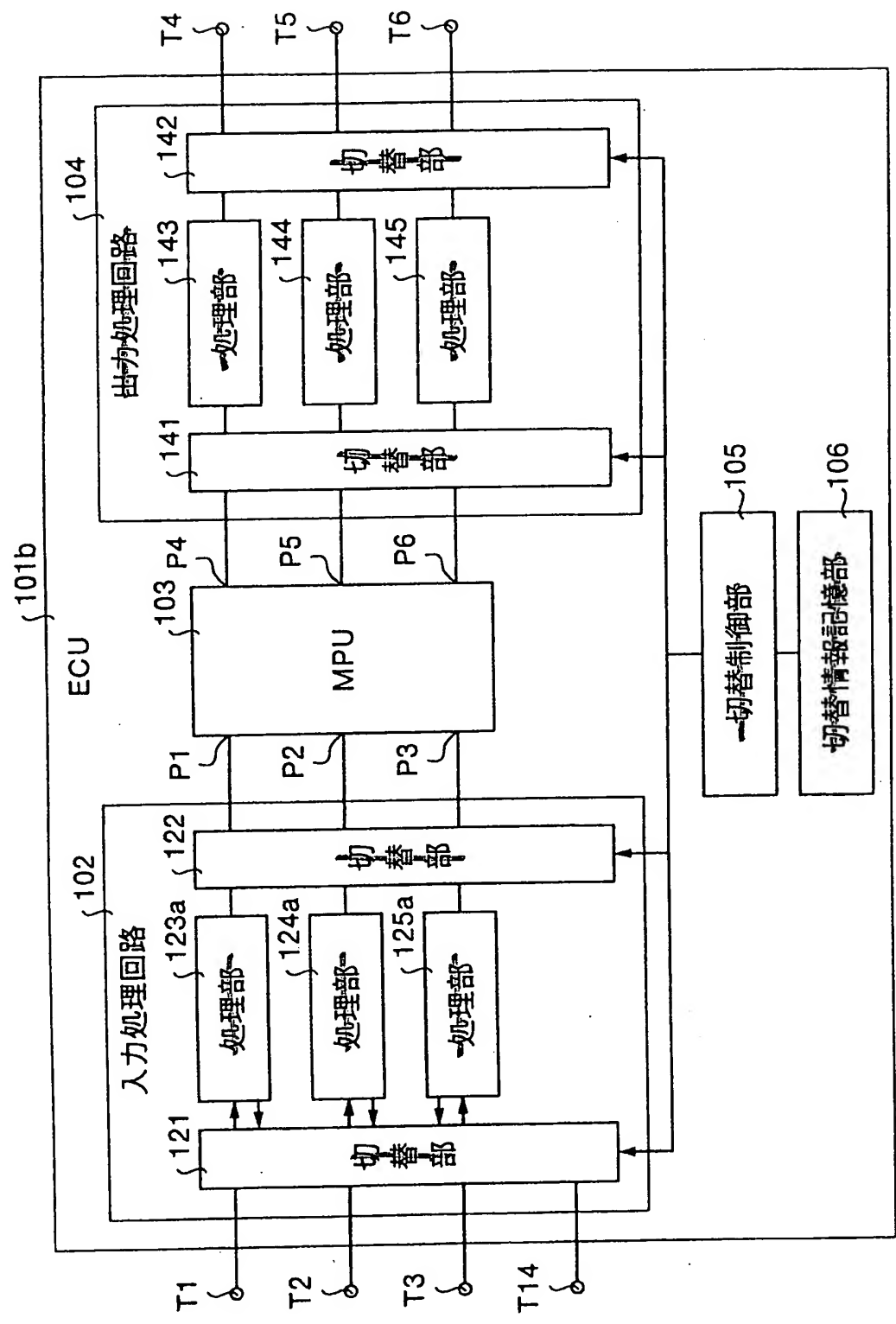


Fig. 18

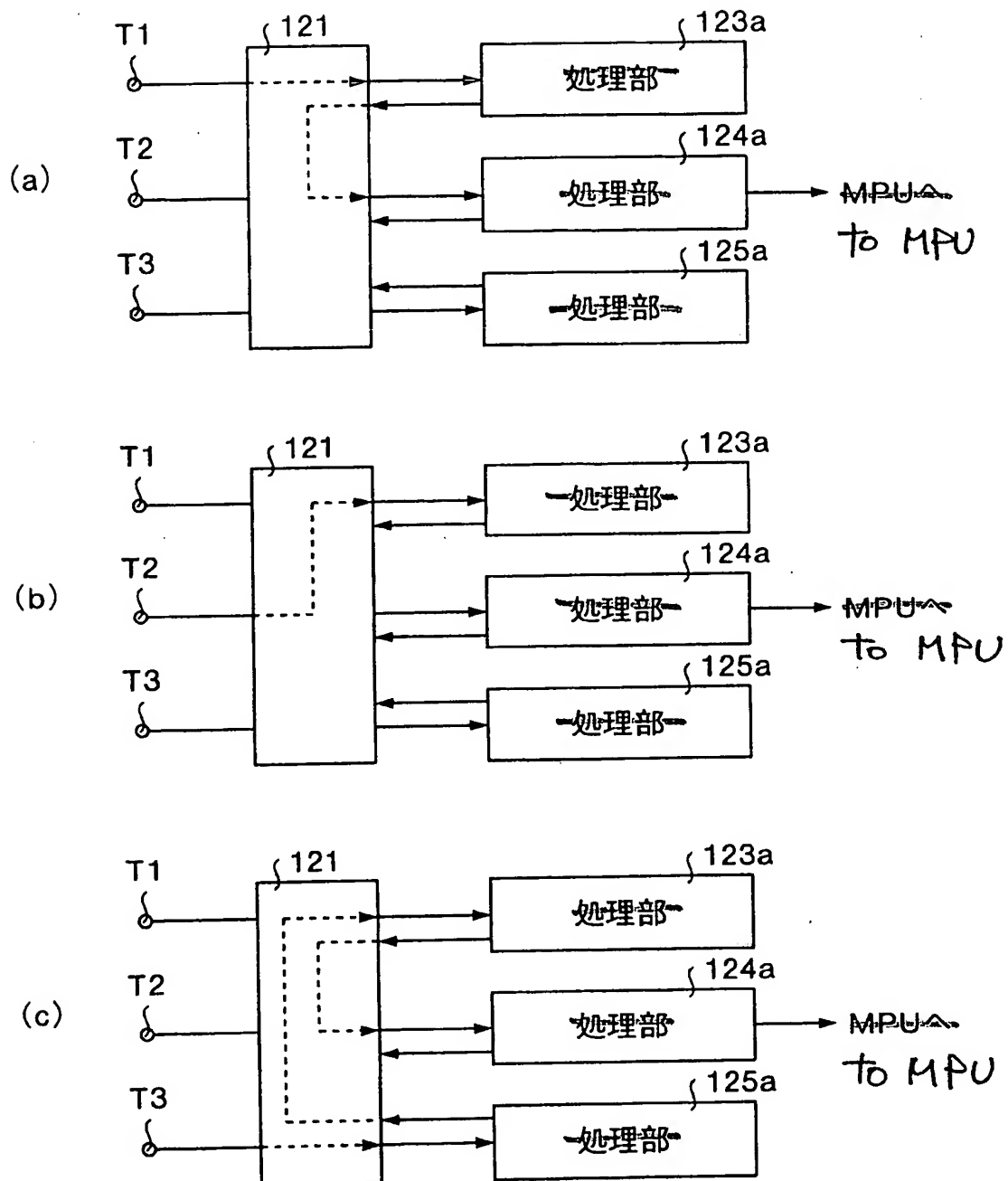


Fig. 19

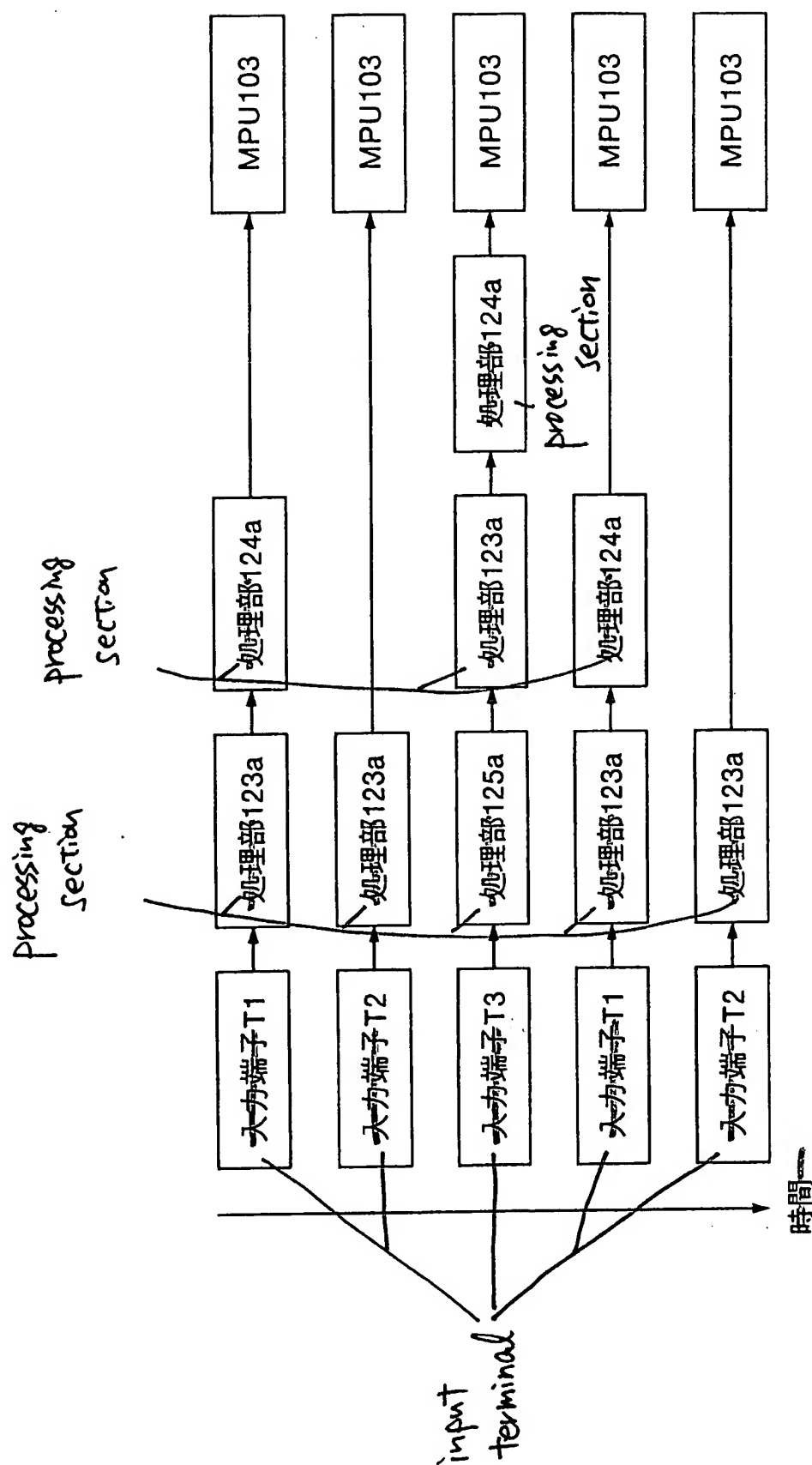


Fig. 20

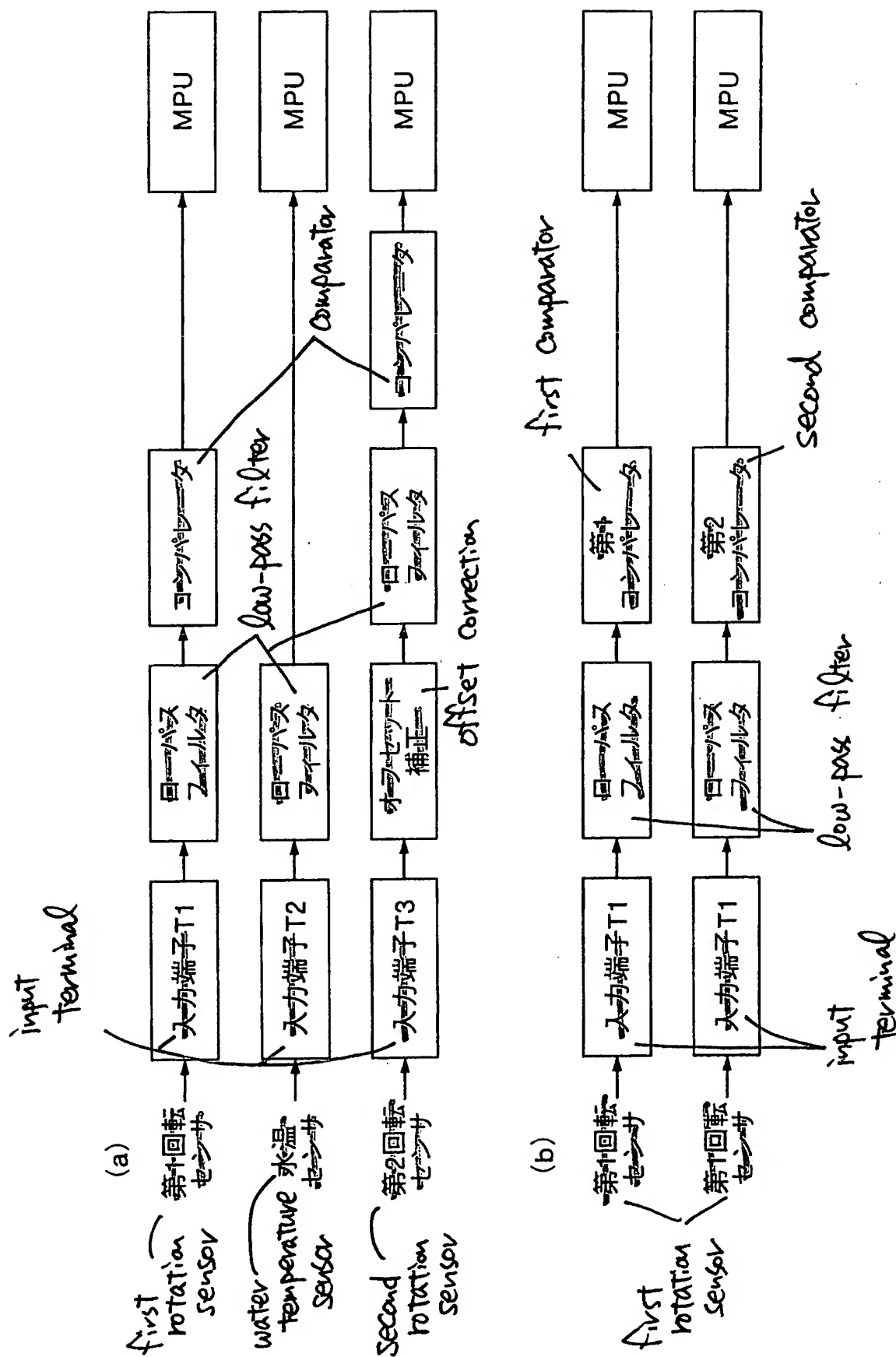


Fig. 21

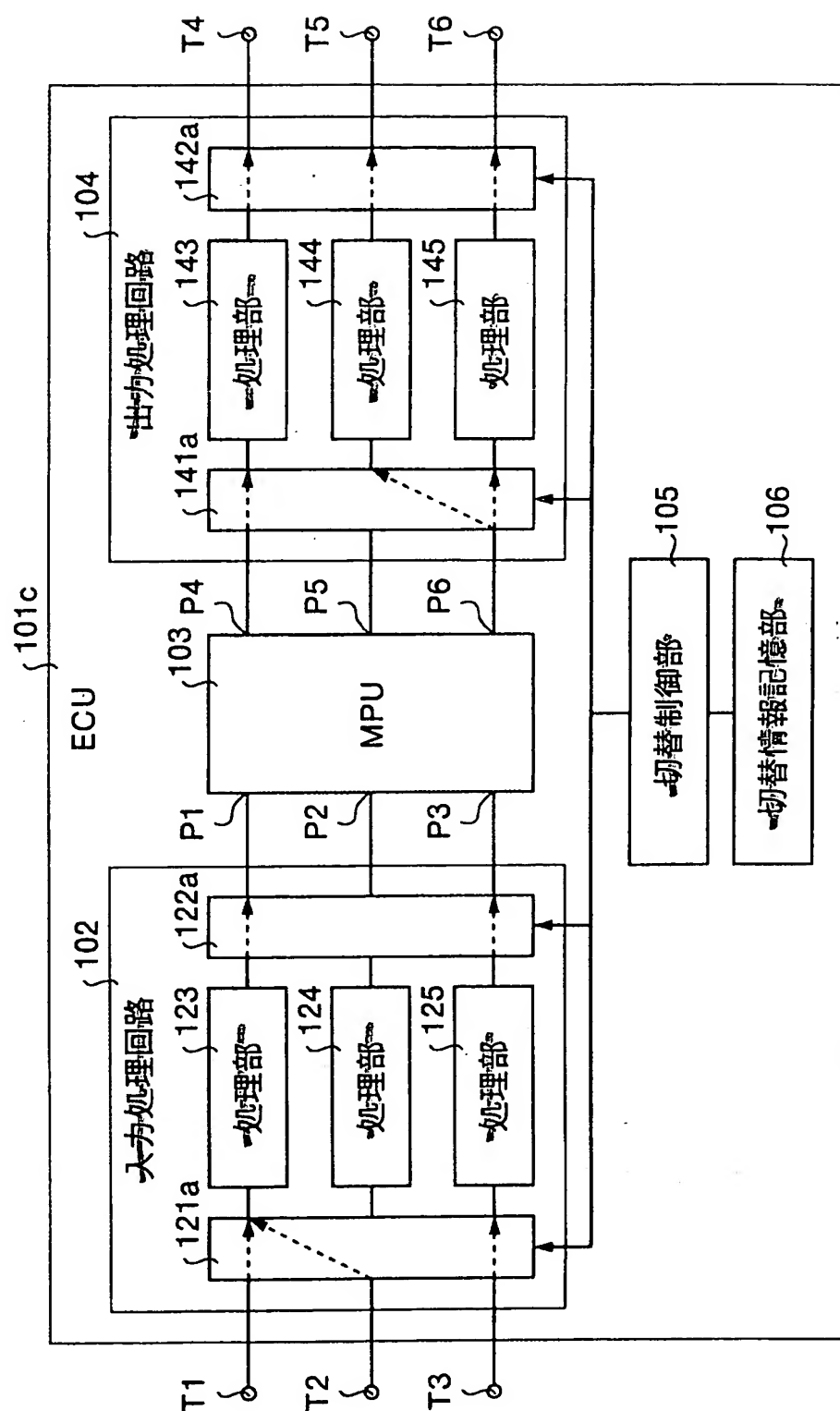


Fig. 22

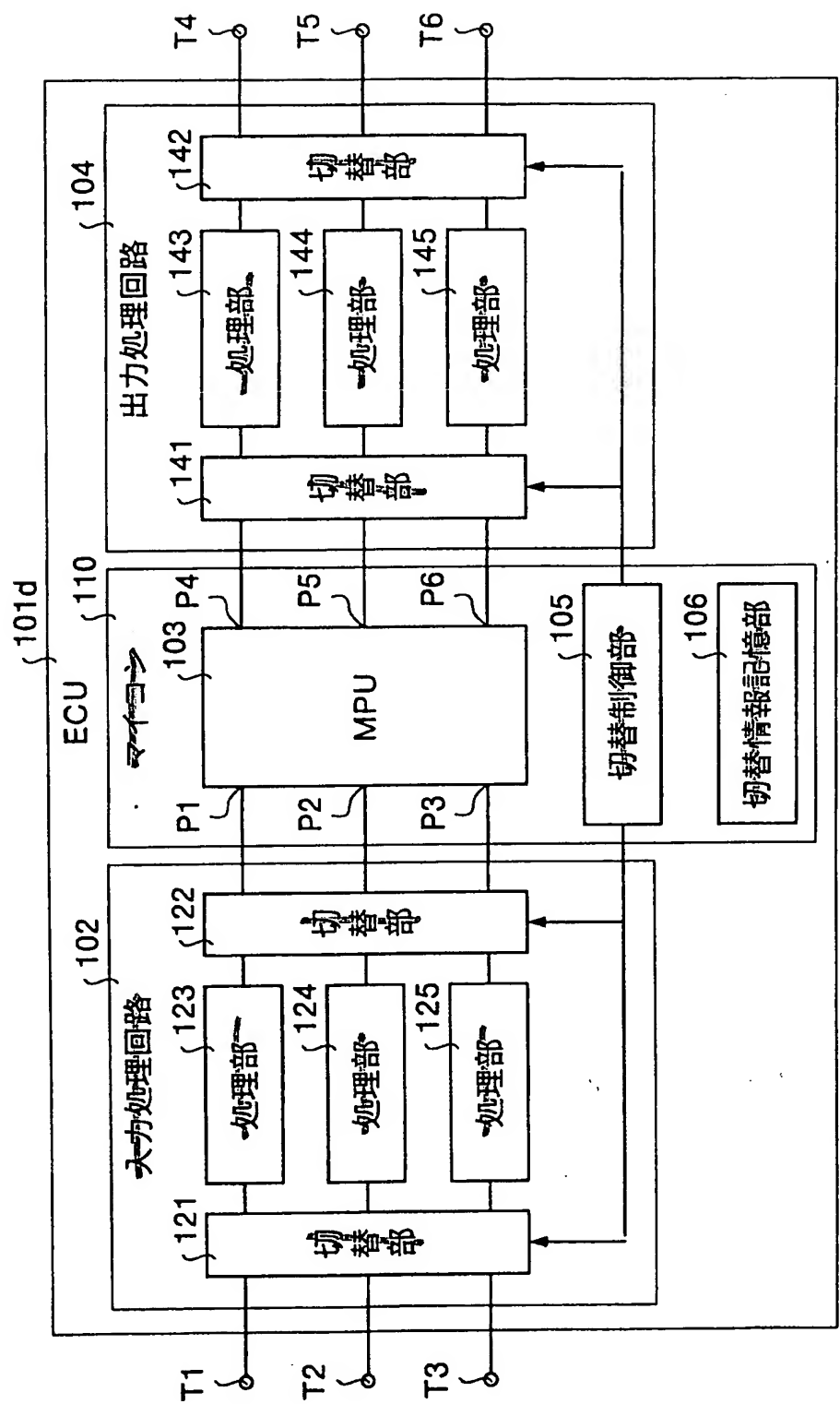


Fig. 23

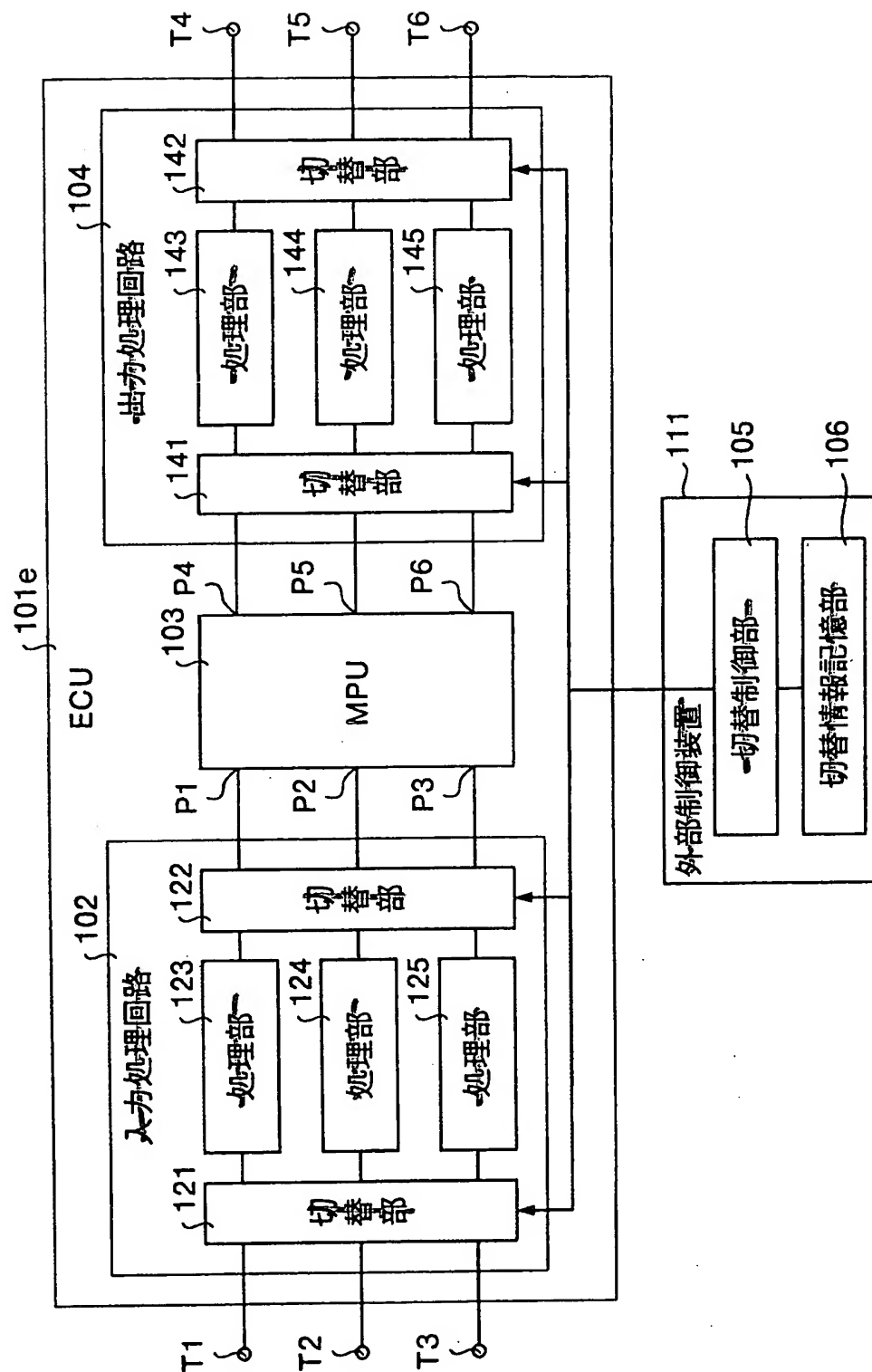




Fig. 24

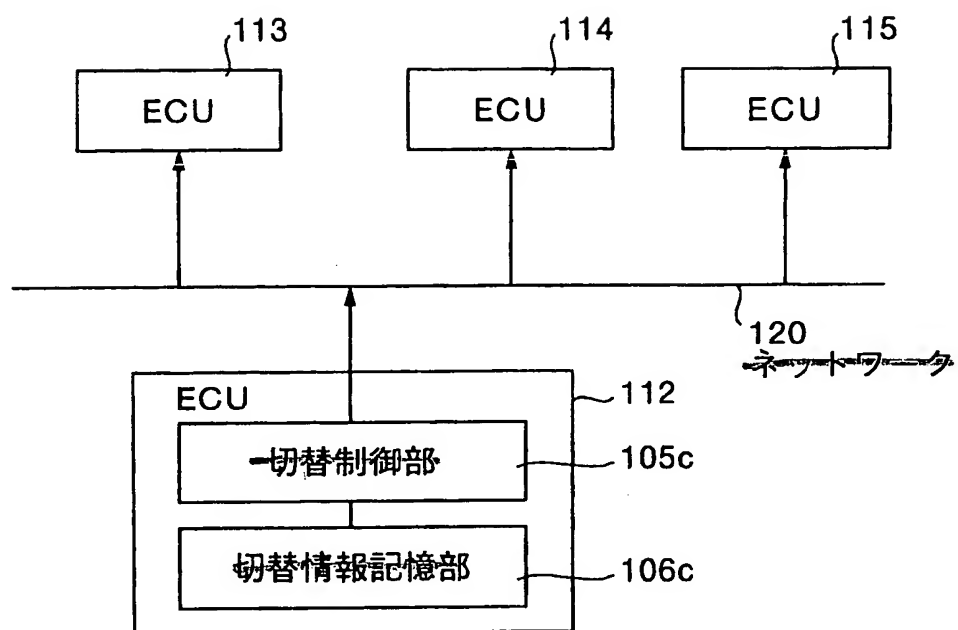


Fig. 25

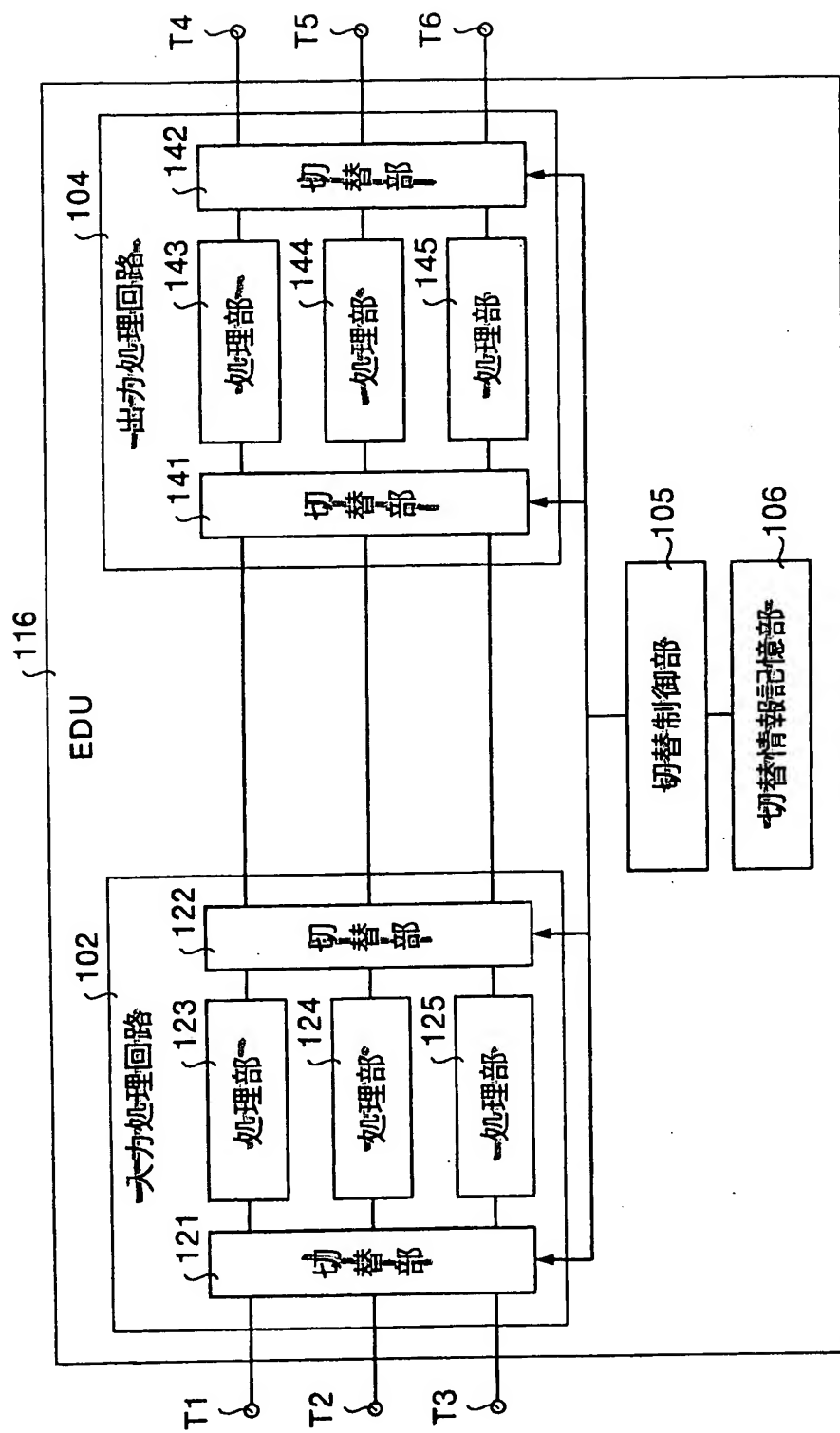


Fig. 26

